Application No. 10/567,502
October 21, 2008
Reply to the Office Action dated April 2, 2008 and
the Notice of Non-Compliant Amendment dated October 21, 2008
Page 3 of 12

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

LISTING OF CLAIMS:

Claims 1-10 (canceled).

Claim 11 (currently amended): A rare-earth sintered magnet, a main phase of which includes an $R_2T_{14}B$ type compound phase, the magnet comprising:

27 mass% through 32 mass% of R, which is at least one rare-earth element that is selected from the group consisting of Nd, Pr, Tb, and Dy and that always includes at least one of Nd and Pr;

60 mass% through 73 mass% of T, which is either Fe alone or a mixture of Fe and Co; 0.85 mass% through 0.98 mass% of Q, which is either B alone or a mixture of B and C and which is converted into B on a number of atoms basis when its mass percentage is calculated;

more than 0 mass% through 0.3 mass% of Zr;

at most 2.0 mass% of an additive element M, which is at least one element selected from the group consisting of Al, Cu, Ga, In and Sn; and

inevitably contained impurities; wherein

the additive element includes Ga, which accounts for 0.01 mass% through 0.08 mass% of the magnet.

Claim 12 (previously presented): The rare-earth sintered magnet of claim 11, comprising substantially no accumulated phases of Q.

Application No. 10/567,502
October 21, 2008
Reply to the Office Action dated April 2, 2008 and
the Notice of Non-Compliant Amendment dated October 21, 2008
Page 4 of 12

Claim 13 (canceled).

Claim 14 (currently amended): The rare-earth sintered magnet of claim $\frac{13}{11}$, comprising at most 0.95 mass% of Q.

Claim 15 (previously presented): The rare-earth sintered magnet of claim 14, comprising at least 0.90 mass% of Q.

Claim 16 (previously presented): The rare-earth sintered magnet of claim 11, wherein the magnet has a square ratio Hk/HcJ of at least 0.9 in its demagnetization curve.

Claim 17 (currently amended): A material alloy for a rare-earth sintered magnet, a main phase of which includes an $R_2T_{14}B$ type compound phase, the alloy comprising:

27 mass% through 32 mass% of R, which is at least one rare-earth element that is selected from the group consisting of Nd, Pr, Tb, and Dy and that always includes at least one of Nd and Pr;

60 mass% through 73 mass% of T, which is either Fe alone or a mixture of Fe and Co; 0.85 mass% through 0.98 mass% of Q, which is either B alone or a mixture of B and C; more than 0 mass% through 0.3 mass% of Zr;

at most 2.0 mass% of an additive element M, which is at least one element selected from the group consisting of Al, Cu, Ga, In and Sn; and

inevitably contained impurities; wherein

the additive element includes Ga, which accounts for 0.01 mass% through 0.08 mass% of the magnet.

Application No. 10/567,502
October 21, 2008
Reply to the Office Action dated April 2, 2008 and
the Notice of Non-Compliant Amendment dated October 21, 2008
Page 5 of 12

Claim 18 (previously presented): The rare-earth alloy of claim 17, comprising substantially no accumulated phases of Q.

Claim 19 (canceled).

Claim 20 (currently amended): The rare-earth alloy of claim $\frac{19}{17}$, comprising at most 0.95 mass% of Q.